

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: YANG-PIOUNG, KIM

SERIAL NO.: 10/022,184

ART UNIT: 1773

FILED: DECEMBER 14, 2001

EXAMINER: JACKSON, M.R.

TITLE: LIGHT PROTECTING SHEET AND METHOD FOR MANUFACTURING THE SAME

REMARKS ON AMENDMENT "B"

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action of August 14, 2003, having a response being due on November 14, 2003, please consider the following remarks in conjunction with the amendments to the above-identified application as follows:

REMARKS

Upon entry of the present amendments, previous Claims 6 - 8 have been canceled and new Claims 9 and 10 substituted therefor. Reconsideration of the rejections, in light of the foregoing amendments and present remarks, is respectfully requested. The present amendments have been entered for the purpose of placing the application into a proper condition for allowance.

In the Office Action, it was indicated that Claim 7 was rejected under 35 U.S.C. § 102(b) as anticipated by the von Trebra patent. Additionally, it was indicated that Claims 7 and 9 were rejected under 35 U.S.C. § 103(a) as being obvious over the von Trebra patent.

Although Applicant respectfully disagrees with the Examiner's analysis with respect to the rejections of Claims 7 and 9, Applicant is desirous of obtaining patent protection on the present

invention at an early date. As such, Applicant has revised Claim 7 so as to incorporate the limitations of non-rejected Claim 8. This new claim appears herein as new Claim 10. The non-rejected original Claim 6 appears as original presented in the form of new independent Claim 9. As such, Applicant contends that independent Claims 9 and 10 are now in a proper condition for allowance.

With respect to the prior art von Trebra patent, Applicant respectfully contends that the prior art shown in FIGURE 1 of the present application is more pertinent prior art than that of the von Trebra patent. The von Trebra patent shows a very different article from that of the present invention. In the von Trebra patent, there is no mention of applying a two-component adhesive of white color onto one side of an aluminum-deposited polyethylene terephthalate film. Although Figure 2 in the associated description teaches the application of either "adhesive layer" (see Figure 2) or a "white coating" (see Figure 3) onto one side of the transparent polyester sheet, there is no disclosure in the von Trebra patent that the "white coating" is a "two-component adhesive".

Figure 4 of the von Trebra patent does describe the application of a transparent polyester sheet over the adhesive on one side of the transparent polyester sheet. However, Figure 4 does not describe this step of spreading white ink over the opposite side of the aluminum-deposited polyethylene terephthalate film. Ultimately, the von Trebra patent never describes the step of "coating a hot metal layer on the white ink spread over the opposite side of the aluminum-deposited polyethylene terephthalate film from the adhesive". The only reference to "hot melt extrusion" in the von Trebra patent is found in column 11, lines 31 - 44. This section, identified by the Examiner, reads as follows:

The purpose of the optional adhesive layer on the photosensitive layer is to aid in the transfer of the photosensitive layer and to protect the integrity of underlying, previous formed images

during development of subsequent layer or layers. It may be applied to the photosensitive layer in several different ways. It can be coated directly onto the photosensitive layer out of organic or aqueous based solvent mixtures, or it can be applied by hot melt extrusion, lamination, or coating.

In the present invention, the hot melt layer is applied to the opposite side of the polyethylene terephthalate film from the adhesive. As such, the hot melt layer cannot be used so as to apply the adhesive in the present invention. The von Trebra patent fails to disclose that the hot melt layer is applied onto the "white ink spread over the opposite side" of the polyethylene terephthalate film.

Fundamentally, the von Trebra patent discloses a different structure than that of the present invention. As such, the method of the present invention, as described in independent Claim 9, is neither shown nor suggested by the disclosure of the von Trebra patent. Additionally, the structure of the present invention, as described in independent Claim 10, is quite different than that of the von Trebra patent. Ultimately, the structure of the present invention, by applying a white ink layer onto one side of the polyethylene terephthalate film, overcomes the disadvantages of the von Trebra patent, that is, the substitution for expensive white PET film. This benefit was recited in the original specification on page 4, first paragraph, as follows:

As described above, the aluminum-deposited film of the present invention having its one side applied with a two-component adhesive of white color can be substituted for expensive white PET film, and also the transparent film can be coated on its outer surface, whereby deformation and scratching attributed to lighting heat can be prevented, and an advertising subject of a real picture can be directly applied on the hot melt layer.

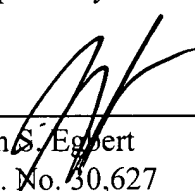
Applicant respectfully contends that the von Trebra patent neither shown nor suggests this benefit associated with the particular method of the present invention and with the particular structure of the present invention.

Based upon the foregoing analysis, Applicant contends that independent Claims 9 and 10 are now in proper condition for allowance. Reconsideration of the rejections is requested and allowance of the claims at an early date is earnestly solicited. Since no additional claims have been added above those originally paid for, no additional fee is required.

Respectfully submitted,

Date

11-3-03



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